

SEP 24 2002

FASTA searches a protein or DNA sequence data bank
version 3.3t05 March 30, 2000

Please cite:

W.R. Pearson & D.J. Lipman PNAS (1988) 85:2444-2448

/tmp/fastaCAAygaWej: 995 aa
>SEQ ID NO:2
vs /tmp/fastaDAAzgaWej library
searching /tmp/fastaDAAzgaWej library

1008 residues in 1 sequences

FASTA (3.34 January 2000) function [optimized, BL50 matrix (15:-5)] ktup: 2
join: 39, opt: 27, gap-pen: -12/ -2, width: 16
Scan time: 0.034

The best scores are: opt
M13699 ACCESSION:M13699 NID: gi 180255 gb M13699. (1008) 2671

>>M13699 ACCESSION:M13699 NID: gi 180255 gb M13699.1 HUM (1008 aa)
initn: 1414 initl: 972 opt: 2671
Smith-Waterman score: 3980; 57.002% identity in 1014 aa overlap (1-992:1-1008)

	10	20	30	40	50
SEQ	MKILILGIFLFLC	SSPGWAIDRHCYIGIEESIWN	YAPSGKNMLNEKPFSE	DL-----FLQ	

M13699	MKILILGIFLFLC	STPAWAKEKHYYIGIET	TWDYA---SDHGEKKLIS	VDTEHSNIYLQ	
	10	20	30	40	50
	60	70	80	90	100
SEQ	GGQARKSFVFKALY	FQYTDNTFQRIIEKPSW	LGFLGPMIKAETGDFIY	VHVKNNASRAY	

M13699	NGPDRIGRLYKKALY	LQYTDDETFRTTIEKP	VWLGLGPIIKAETGDK	VYVHLKNLASRPY	
	60	70	80	90	100
	120	130	140	150	160
SEQ	SYHPHGLTYSKENE	AHGA IYPDNTTGLQKE	VEYLEPGKQYTYKWY	VEEHQGP	GNDSNCV

M13699	TFHSHGITYYKEHE	--GA IYPDNTTDFQ	RADDKVYPGEQYTYM	LLATEEQSPGEGD	GNVC
	120	130	140	150	160
	180	190	200	210	220
SEQ	TR IYHSHIDTARD	VASGLIGPILTCKRGT	LNGDTEKDIDRSSFL	MFSTDESRSWYSD	EN

M13699	TR IYHSHIDAPKD	IASGLIGPLIICKKDS	LDKEKEKHIDREFV	VMFVVDENFSWY	LEDN
	180	190	200	210	220
	240	250	260	270	280
SEQ	IRAF-TESGKINTS	DPRFEESMSMQSING	IYGNLNLTMCAEDR	VQWYFVGMGGVADI	H

M13699	IKTYCSEPEKVDK	DNEDFQESNRMYSV	NGYTFGSLPGLSMCA	EDRVKWYLFGMGNE	VDVH
	240	250	260	270	280
	300	310	320	330	340
SEQ	PVYLRGQTLISRN	HRKDTIMLFPS	SLEDAFMVAKAPGV	WMLGCQ----IHES	MQAFFKVS

M13699	AAFFHGGQALTNK	NYRIDTINLFPATL	FDAYMVAQNPGEW	MLSCQNLNHLKAG	LQAFFQVQ
	300	310	320	330	340

	360	370	380	390	400	410
SEQ	NCQKPSTEAFVTGTHVIHYIIAAKEILWNYAPSGIDFFTKKNLTAAGSKSQLFFERSPTR					

M13699	ECNKSSSKDNIRGKHVRHYIIAAEEIIWNYAPSGIDIFTKENLTAPGSDSAVFQEQTTR					
	360	370	380	390	400	410

	420	430	440	450	460
SEQ	IGGTYKKLIYREYTDASFQTQKAR---EEHLGILGPVFKAIEVGQTIKITFYNNASLPLSI				

M13699	IGGSYKKLVYREYTDASFQNRKERGPEEEHLGILGPVIWAEVGDTIRVTFHNKGAYPLSI				
	420	430	440	450	460

	470	480	490	500	510	520
SEQ	QPPGLHYNKSNEGLFYE---TPGG-STPPSSHVSPGTTFVYTWEVPKDVGPTSTDPNCL					

M13699	EPIGVRFNKNNEGTYSPNYPQSRSPPSASHVAPTETFTYEWTPKEVGPTNADPVCL					
	480	490	500	510	520	530

	530	540	550	560	570	580
SEQ	TWFYSSVNGKKDINSGLLGPLLICRNGSLGDDGKQKGVDFEYLLATIFDENESNLLDE					

M13699	AKMYSAVDPTKDIFTGLIGPMKICKKGSLSHANGRQKDVDFEYLFPTVFDENESLLED					
	540	550	560	570	580	590

	590	600	610	620	630	640
SEQ	N-RTFITEPENIDKEDTDCQASNKMYSGINGMYGNLPGLDTCGLDNVLWHVFSVGSVEDL					

M13699	NIRMFTTAPDQVDKEDDFQESNKMHSNMGFMYGNQPGLTMCCKGDSVVWYLFSAAGNEADV					
	600	610	620	630	640	650

	650	660	670	680	690	700
SEQ	HGIYFSGNTFTSLGARRDTIPMFYTSQTLTLPDSIGTFDLVCMTIKHNLGGMKHKYHV					

M13699	HGIYFSGNTYLRGERRDANLFPQTSLSLHMWPDTEGTFNVECLTDDHYTGGMKQKYTV					
	660	670	680	690	700	710

	710	720	730	740	750	760
SEQ	RQCGKPNPDQTYQEEKIIITIAAEEWEDYSPSRKWENELHHLRRENQTSMYVDRSGTL					

M13699	NQCRRQSEDSTFYLGERTYY-IAAVEVEWEDYSPQREWEKELHHLQEQNVSNFLDKGEFY					
	720	730	740	750	760	770

	770	780	790	800	810	820
SEQ	LGSKYKKVLYRQYDDNTFTNQTKRNEGEKHLDLGLPLILNPGQIIQIIFKNKAARPYSI					

M13699	IGSKYKKVVYRQYTDSTFRVPVERKAEHLGILGPQLHADVGDKVKIIFKNMATRPYSI					
	780	790	800	810	820	830

	830	840	850	860	870	880
SEQ	HAHGVTNNSTVVPQTQGEIQIYTWQIPDRTGPTSLDFECIPWFYYSTVSVAKDLHSGLV					

M13699	HAHGVTQESSTVTPTLPGETLTYVWKIPERSGAGTEDSACIPWAYYSTVDQVKDLYSLGI					
	840	850	860	870	880	890

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      890      900      910      920      930
SEQ    GPLSVCR----KDINPN-IVHRVLHFMIFDENESWYFEDSINTYASKPNKVDKENDNFQL
      ::: ::: : ::: .. .. : .....:
M13699 GPLIVCRRPYLKVFNP RRKLEFALLFLVFDENESWYLDDNIKTYS DHPEKVNKDDEEFIE
      900      910      920      930      940      950

      940      950      960      970      980      990
SEQ    SNQMHAINGRLFGNNQGITFHVGDVVNWYLGIGNEADLHTVHFHGH SFYKHKYLI
      .....: .....: .....: .....: .....:
M13699 SNKMHAINGRMFGNLQGLTMHVGDEVNWYLMGMGNEIDLHTVHFHGH SFQYKHR
      960      970      980      990      1000

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995 residues in 1 query sequences

1008 residues in 1 library sequences

Scomplib [version 3.3t05 March 30, 2000]

start: Wed Sep 18 11:18:07 2002 done: Wed Sep 18 11:18:08 2002

Scan time: 0.034 Display time: 1.433

Function used was FASTA